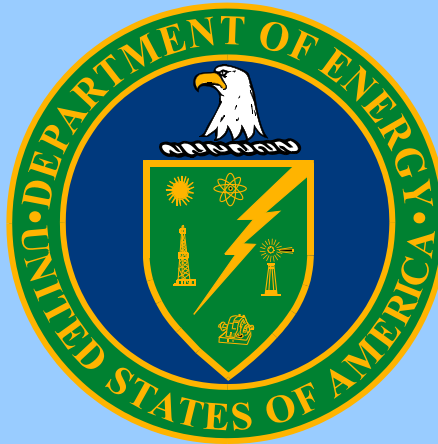


# Status of ISMS, Richland Operations Office



**Ed Parsons, CHP**  
**October 5, 2011**

# Objective

**“The Department and Contractors must systematically Integrate Safety (ES&H) into management and work practices at all levels so that missions are accomplished while protecting the public, the worker, and the environment.”**

DOE Policy 450.4



# ISMS Basis

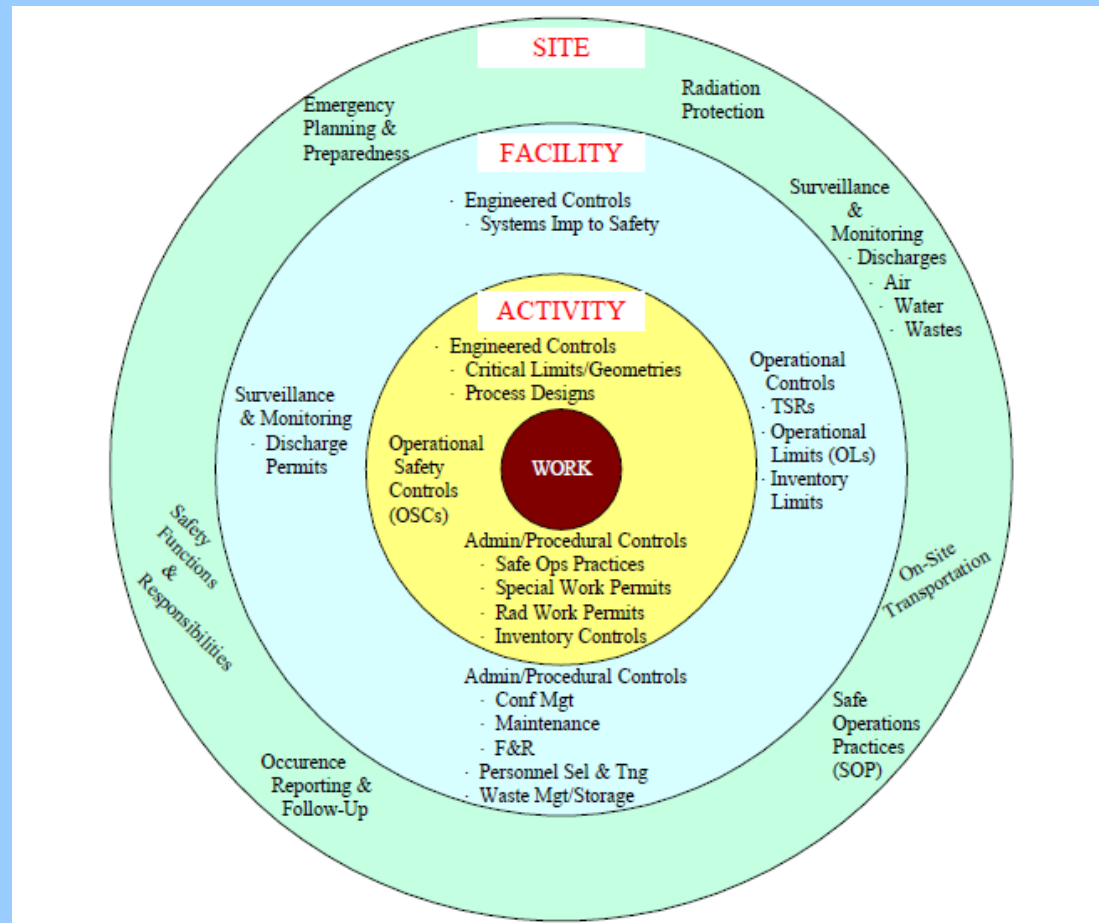
**DNFSB 95-2....incorporate into planning and execution...controls necessary to ensure the ESH objectives are met....**

**DNFSB Tech 16 provided:**

- **1<sup>st</sup> definition of core functions**
- **Multi-level integration concept**
- **Environmental as a component concept**



# Multi Level Functional Integration Example



# Improvement Initiatives to ISM

- ◆ Initiatives are processes and/or tools aimed at improving organizational and individual performance.
- ◆ It is important to implement these tools, processes, and/or approaches consistent with an ISM framework, not as stand-alone programs independent of the ISM framework.
- ◆ The relationship between these tools and the ISM principles and functions are to be clearly understood and articulated in ISM system descriptions.
- ◆ It is also critical that the vocabulary and terminology used to apply these tools be aligned with that of ISM.

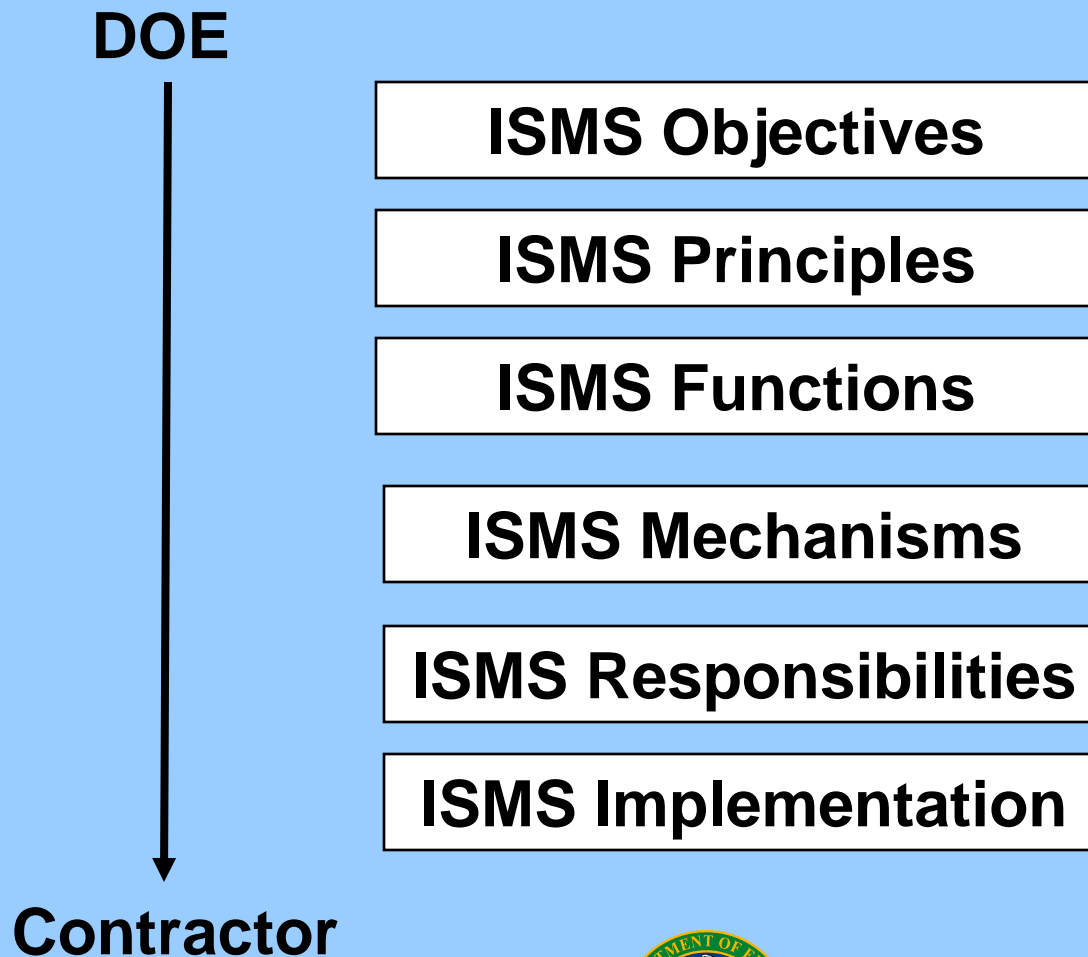


# Improvement Initiatives to ISM (Examples)

- ◆ Human Performance Improvement
- ◆ Voluntary Protection Program
- ◆ Behavior Based Safety
- ◆ Conservative Decision Making
- ◆ International Organization for Standardization (ISO)  
Standard 9001, Quality Management System
- ◆ Total Quality Management
- ◆ Six Sigma quality programs
- ◆ ISO Standard 14001, Environmental Management System.



# Multi Layered Ownership Concept



# Status of RL ISMS (PRC)

- ◆ Phase II verification performed in Feb. 2010
- ◆ ISMS review team found that CH2M HILL Plateau Remediation Company (CHPRC) had documented and implemented an adequate ISMS with nine good practices, 23 opportunities for improvement, and four concerns.
- ◆ One significant exception to this conclusion is related to overall ISMS implementation at the Waste Retrieval Project
  - ◆ Six specific concerns were identified related to the WRP ISMS.





## **Status of RL ISMS (PRC, cont.)**

- ◆ **Verification of CHPRC's Integrated Safety Management Corrective Action Effectiveness at the Waste Retrieval Project was performed in October, 2010 and found that the six corrective actions resulting from verification have been largely implemented and effective.**
- ◆ **CHPRC has incorporated the majority of their ISM corrective actions into an overall management corrective action plan. (ICAP)**



# Status of RL ISMS (MSA)

- ◆ **Combined Phase I/II verification performed in Nov./Dec. 2010**
  - ◆ The review team recommended approval of the MSA ISMS
  - ◆ Four cross-cutting concerns and roughly 100 opportunities for improvement and 20 observations, most of which are incorporated into the four cross-cutting concerns.
- ◆ **All but six corrective action resulting from the verification have been satisfactorily completed. The six remaining corrective actions require other Hanford contractors acceptance of the revised contract and/or interface agreements.**



# Status of RL ISMS (WCH)

- ◆ Verification Completed November 2007
- ◆ Nearing end of contract
- ◆ Mature System
  - ◆ Maintenance and Continuous Improvement



# Site-wide Safety Standards Update

## Implemented FY2010

- ◆ Hoisting & Rigging Manual
- ◆ Chronic Beryllium Disease Prevention Program
- ◆ Stop Work Procedure
- ◆ Hanford Site Excavation, Trenching and Shoring Procedure
- ◆ Hanford Standardized Hanford General Employee Training (HGET) Training
- ◆ Hanford Standardized Radiation Safety Training

## Implemented FY2011

- ◆ Lockout & Tagout Rev 1
- ◆ Hanford Site Wide Industrial Hygiene Database
- ◆ Hanford Standardized Hazardous Waste Operations and Emergency Response (HAZWOPER) Training



# **FY 2012 Site Wide Safety Standards Activities**

- ◆ **Implement Hanford Site Fall Protection Program and Hanford Site Confined Space Procedure (December 1, 2011)**
- ◆ **Partial to full implementation of the Hanford Site Respiratory Protection Program**
- ◆ **Consider implementation of another program/ procedure. Potential candidate programs include:**
  - **Hanford Site Electrical Safety Program**
  - **Hazardous Chemical (EPRCRA) Reporting Procedure**
- ◆ **Finalize the Employee Job Task Analysis Procedure**



# Questions?

